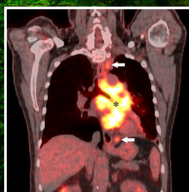
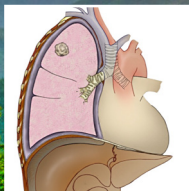
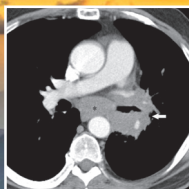


# 13<sup>th</sup> Oncologic Imaging: A Multidisciplinary Approach

September 14 - 16, 2018

*For Radiologists, Oncologists & Surgeons*



*Paul M. Silverman, MD  
Founder and Course Director*

*Asheville, NC*

**Faculty From the Nation's Leading Cancer Centers**

Improve your diagnostic acumen related to oncologic imaging and assess the role of current state-of-the-art imaging modalities.

Provided by



with support from



## Conference Faculty

**PAUL M. SILVERMAN, MD**

Professor of Radiology, ret.  
Gerald D. Dodd Jr. Distinguished Chair  
Division of Diagnostic Imaging  
MD Anderson Cancer Center

**DANIEL A. BARACOS, MD**

Associate Professor  
Urologic Surgery  
Vanderbilt University  
Ingram Cancer Center

**BRETT W. CARTER, MD**

Associate Professor  
Department of Diagnostic Radiology  
Division of Diagnostic Imaging  
MD Anderson Cancer Center

**THOMAS E. CLANCY, MD**

Associate Chief, Division of Surgical Oncology  
Brigham and Women's Hospital  
Co-Director, Pancreatic and Biliary Tumor  
Center  
Dana-Farber/Brigham and Women's Cancer  
Center

**RICHARD M. GORE, MD, FACP**

Professor of Radiology  
The University of Chicago Pritzker School of  
Medicine  
Chief, Gastrointestinal Radiology  
North Shore University Health System

**JOSEPH MAMMARAPPALLIL, MD, PhD**

Assistant Professor  
Cardiothoracic Division  
Department of Radiology  
Duke University Medical Center

**MAJID T. MAYBODY, MD**

Interventional Radiologist  
Director  
Interventional Radiology Training Program  
Memorial Sloan Kettering Cancer Center

**REZA MEHRAN, MDCM, MSc, CD, FRCSC, FACS**

Professor  
Department of Thoracic and Cardiovascular  
Surgery  
Division of Surgery  
MD Anderson Cancer Center

**KRISTIN K. PORTER, MD, PhD**

Assistant Professor  
Abdominal Imaging Section  
Department of Radiology  
UAB School of Medicine

**ERIC P. TAMM, MD**

Professor  
Department of Diagnostic Radiology  
Division of Diagnostic Imaging  
MD Anderson Cancer Center

**RAGHUNANDAN VIKRAM, MD**

Professor  
Department of Diagnostic Radiology  
Division of Diagnostic Imaging  
MD Anderson Cancer Center

**TERENCE WONG, MD, PhD**

Professor of Radiology  
Chief  
Nuclear Medicine Division  
Duke University Medical Center

**ATIF ZAHEER, MD**

Associate Professor  
Radiology and Radiological Science Associate  
Program Director  
Diagnostic Radiology Residency  
Johns Hopkins Medicine

## Local Faculty

**PAUL M. AHEARNE, MD, FACS**

Surgical Oncologist, Regional Surgical  
Specialists  
Medical Director of Surgical Oncology  
Mission Hospital

**TREVOR AUSTIN, MD**

Hematologist and Medical Oncologist  
Cancer Care of WNC

**MEHUL BHAKTA, MD**

Co-director of Abdominal Imaging  
Asheville Radiology Associates

**OLIVER A. R. BINNS, MD**

Co-Director, Thoracic Oncology Program  
Mission Hospitals  
Asheville Heart

**DANIEL C. BROWN, MD**

Vascular and Interventional Radiologist  
Asheville Radiology Associates

**ERIK F. KUEHN, MD**

Radiation Oncologist  
Mountain Radiation Oncology

**W. MARK McCULLOUGH, MD**

Radiation Oncologist  
Mountain Radiation Oncology

# AGENDA

Friday, September 14<sup>th</sup>

11:30-12:00pm | Registration (*Light Lunch Provided*)

12:00-12:15pm | Welcome, Program Introduction  
*Paul M. Silverman, MD*

## Oncologic Imaging & Oncology Perspectives Technology Update, 2018

**Moderator: Paul M. Silverman, MD**

12:15-12:45pm | Multidetector CT (MDCT): Technology Update, Impact on the Oncologic Patient  
*Joseph Mammarrappallil, MD, PhD*

12:45-1:15pm | PET/CT: What You Need to Know as an Effective "Oncologic Radiologist"  
*Terence Z. Wong, MD, PhD*

1:15-1:45pm | Thoracic Intervention: Importance of Diagnostic Findings Prior to Biopsy  
*Joseph Mammarrappallil, MD, PhD*

1:45-2:15pm | PET/CT: Pitfalls, Clinical Importance for the Radiologist and Oncologist  
*Terence Z. Wong, MD, PhD*

2:15-2:30pm | Q & A: Meet the Professors  
*Joseph Mammarrappallil, MD, PhD | Terence Z. Wong, MD, PhD | Paul M. Silverman, MD*

2:30-2:45pm | Break (*Refreshments Provided*)

## Esophageal Cancer: MDCT, MR & PET/CT, Imaging & Surgical Considerations

**Moderator: Brett W. Carter, MD**

2:45-3:15pm | Esophageal Cancer: Diagnosis, Staging, and Surveillance  
*Richard M. Gore, MD*

3:15-3:45pm | Esophageal Cancer: A Surgeon's Perspective  
*Reza Mehran, MDCM, MSc, CD, FRCSC, FACS*

3:45-4:15pm | Esophageal Cancer: Evaluation of the Postoperative Thorax  
*Brett W. Carter, MD*

4:15-4:30pm | Q & A: Meet the Professors  
*Brett W. Carter, MD | Reza Mehran, MDCM, MSc, CD, FRCSC, FACS | Oliver A. R. Binns, MD | Richard M. Gore, MD | Terence Z. Wong, MD, PhD | Joseph Mammarrappallil, MD, PhD*

4:30-5:15pm | Tumor Board: Esophageal Cancer  
Presentors: *Richard M. Gore, MD | Brett W. Carter, MD*  
Panelists: *Reza Mehran, MDCM, MSc, CD, FRCSC, FACS | Terence Z. Wong, MD, PhD | Joseph Mammarrappallil, MD, PhD | Oliver A. R. Binns, MD | Paul M. Ahearne, MD | W. Mark McCollough, MD*

5:15pm | Adjourn

# Saturday, September 15<sup>th</sup>

7:30-8:00am | Registration (*Breakfast Provided*)

## **Hepato-Biliary Cancer: MDCT/MR & PET/CT, Imaging & Surgical Considerations** **Moderator: Paul M. Silverman, MD**

- 8:00-8:30am | Primary Liver Tumors: Diagnosis, Staging, and Surveillance  
*Kristin K. Porter, MD, PhD*
- 8:30-9:00am | Primary Liver Tumors: A Surgeon's Perspective  
*Thomas E. Clancy, MD*
- 9:00-9:30am | Biliary Tumors: Diagnosis, Staging, and Surveillance  
*Kristin K. Porter, MD, PhD*
- 9:30-10:00am | Primary Biliary Tumors: A Surgeon's Perspective  
*Thomas E. Clancy, MD*
- 10:00-10:15am | Q & A: Meet the Professors  
*Kristin K. Porter, MD, PhD | Thomas E. Clancy, MD | Paul M. Silverman, MD*
- 10:15-10:30am | Break (*Refreshments Provided*)

## **Pancreatic Cancer: MDCT/MR & PET/CT, Imaging & Surgical Considerations** **Moderator: Eric P. Tamm, MD**

- 10:30-11:00am | Primary Pancreatic Adenocarcinoma  
*Eric P. Tamm, MD*
- 11:00-11:30am | Cystic Tumors of the Pancreas  
*Atif Zaheer, MD*
- 11:30-12:00pm | Neuroendocrine Tumors of the Pancreas  
*Eric P. Tamm, MD*
- 12:00-12:30pm | Pancreatic Tumors: A Surgeon's Perspective  
*Thomas E. Clancy, MD*
- 12:30-12:45pm | Q & A: Meet the Professors  
*Eric P. Tamm, MD | Raghu Vikram, MD | Thomas E. Clancy, MD*
- 12:45-1:15pm | Lunch (*Provided*)
- 1:15-2:30pm | Tumor Board: Hepato-Biliary and Pancreatic Tumors  
Presentors: *Eric P. Tamm, MD | Kristin Porter, MD, PhD*  
Panelists: *Raghu Vikram, MD | Thomas E. Clancy, MD |  
Richard M. Gore, MD | Atif Zaheer, MD | Paul M. Ahearne, MD |  
W. Mark McCollough, MD | Trevor Austin, MD | Mehul Bhakta, MD*

*continued on next page...*

# Saturday, September 15<sup>th</sup> *continued*

## Renal and Prostate Cancer: MDCT/MR & PET/CT, Imaging & Surgical Considerations

**Moderator: Raghu Vikram, MD**

<b>2:30-3:00pm</b>	Imaging Primary Renal Cell Cancer <i>Raghu Vikram MD</i>
<b>3:00-3:30pm</b>	Unusual Renal Masses <i>Atif Zaheer, MD</i>
<b>3:30-4:00pm</b>	Renal Cancer: A Surgeon's Perspective <i>Daniel A. Barocas, MD, MPH, FACS</i>
<b>4:00-4:15pm</b>	Q & A: Meet the Professors <i>Raghu Vikram, MD   Atif Zaheer, MD   Daniel A. Barocas, MD, MPH, FACS</i>
<b>4:15-4:30pm</b>	Break ( <i>Refreshments Provided</i> )
<b>4:30-5:00pm</b>	Prostate Cancer: Diagnosis, Staging, and Surveillance <i>Raghu Vikram, MD</i>
<b>5:00-5:30pm</b>	Prostate Cancer: A Surgeon's Perspective <i>Daniel A. Barocas, MD, MPH, FACS</i>
<b>5:30-6:15pm</b>	Tumor Board: Renal and Prostate Cancers Presentors: <i>Raghu Vikram, MD   Atif Zaheer, MD</i> Panelists: <i>Daniel A. Barocas, MD, MPH, FACS   Raghu Vikram, MD   Atif Zaheer, MD   Eric F. Kuehn, MD   Mehul Bhakta, MD</i>
<b>6:15pm</b>	Adjourn

# Sunday, September 16<sup>th</sup>

7:30-8:00am | Registration (*Breakfast Provided*)

## Complications in the Oncologic Patient: Making the Diagnosis

**Moderator: Richard M. Gore, MD**

- 8:00-8:30am | Pulmonary Infections in the Oncologic Patient  
*Brett W. Carter, MD*
- 8:30-9:00am | Pulmonary Embolism: Technique, Diagnosis, and Pitfalls  
*Brett W. Carter, MD*
- 9:00-9:30am | Infections: Colitis, Diverticulitis, Cholecystitis & other "Itises" in the Immuno-Compromised Patient  
*Richard M. Gore, MD*
- 9:30-10:00am | Complications of Chemo- and Radiation Therapy: Importance for the Oncologic Imager  
*Joseph Mammarrappallil, MD, PhD*
- 10:00-10:15am | Q & A: Meet the Professors  
*Brett W. Carter, MD | Joseph Mammarrappallil, MD, PhD | Richard M. Gore, MD*
- 10:15-10:45am | Abdominal Emergencies & Vascular Abdominal Disease in the Oncologic Patient  
*Richard M. Gore, MD*
- 10:45-11:00am | Break (*Refreshments Provided*)

## Complications in the Oncologic Patient: Role of Interventional Radiologist

**Moderator: Daniel C. Brown, MD**

- 11:00-11:30am | Treating Complications in the Oncologic Patient: Current Role of the Interventionalist  
*Majid Maybody, MD*
- 11:30-12:00pm | Drainage and Follow-up of Abscesses: The Interventionalist's Role  
*Majid Maybody, MD*
- 12:00-12:15pm | Q & A: Meet the Professors  
*Majid Maybody, MD | Daniel C. Brown, MD*

## Multidisciplinary Oncology in Your Practice: Take Home Messages

**Moderator: Paul M. Silverman, MD**

- 12:15-1:00pm | Multidisciplinary Approach to Cancer: Translating This to Your Community Practice  
*Oliver A. R. Binns, MD | Trevor Austin, MD | W. Mark McCollough, MD | Daniel C. Brown, MD | Paul M. Ahearne, MD | Eric F. Kuehn, MD | Paul M. Silverman, MD | Mehul Bhakta, MD*
- 1:00pm | Evaluation and Adjourn

# 13<sup>TH</sup> ONCOLOGIC IMAGING: A MULTIDISCIPLINARY APPROACH

MAHEC Mary C. Nesbitt Biltmore Campus  
121 Hendersonville Rd, Asheville NC 28803

Friday,  
September 14, 2018

**Registration:**  
11:30 am – 12:00 pm  
**Program:**  
12:00 pm – 5:15 pm

Saturday,  
September 15, 2018

**Registration:**  
7:30 am – 8:00 am  
**Program:**  
8:00 am – 6:15 pm

Sunday,  
September 16, 2018

**Registration:**  
7:30 am – 8:00 am  
**Program:**  
8:00 am – 1:00 pm

## AUDIENCE:

Radiologists, Medical Oncologists and  
Surgeons

## DESCRIPTION:

Our primary goal is to educate radiologists, medical oncologists and surgeons to improve their diagnostic acumen related to oncologic imaging and the role of current state of the art imaging modalities, including: PET/CT, MDCT, and MRI. Gaps of knowledge may exist since some of the technology is relatively new and other technology continues to evolve. Our oncologic radiologists can provide a greater experience regarding the sensitivity, specificity and accuracy of PET/CT, MDCT, and MRI. Attendees will be made aware of and knowledgeable about potential diagnostic pitfalls and how to avoid them.

The multidisciplinary approach, unique to this course, will allow registrants to not only appreciate imaging from the radiologist's standpoint, but also to integrate medical information presented by surgeons, medical oncologists, and radiation oncologists - key information for optimal decision-making by the referring clinician. The result of this is to ultimately impact and produce best patient outcomes. The structure of the course, including panel discussions, allows registrants to have direct access to world-recognized experts in the field of cancer.

Featured Topics: Technology Update - MDCT & PET/CT, Complications and their Interventional Management, Esophageal, Liver, Biliary, Pancreas, Renal, and Prostate Cancers, Practical "Tumor Board" sessions

## OBJECTIVES:

Upon completion of this conference, participants will be able to:

- Implement new techniques into clinical protocols to improve the quality of imaging results and enhance overall patient care (knowledge, competence, performance, patient outcomes)
- Provide and review data on the impact of newer imaging technologies that will improve confidence in diagnosing imaging findings, thus improving diagnosis and avoiding pitfalls (knowledge, competence, performance, patient outcomes)
- Identify clinical needs for imaging studies and determine which imaging studies provide the best chance for most accurate diagnosis and the important imaging features for accurate cancer staging (knowledge, competence, performance, patient outcomes)
- Integrate features of imaging studies which are most important and will change staging or treatment in terms of surgery or chemotherapy (knowledge, competence, performance, patient outcomes)

Early registration fees through September 7<sup>th</sup>:

### FULL CONFERENCE

<b>FEE</b>	<b>\$745</b>
<b>ARA/MISSION HEALTH PHYSICIANS</b>	<b>\$650</b>
<b>OTHER HEALTHCARE PROVIDERS</b>	<b>\$399</b>

### TWO DAY RATE (FRI/SAT OR SAT/SUN)

<b>FEE</b>	<b>\$595</b>
<b>ARA/MISSION HEALTH PHYSICIANS</b>	<b>\$525</b>
<b>OTHER HEALTHCARE PROVIDERS</b>	<b>\$299</b>

## CREDIT:

### Continuing Medical Education Accreditation

The Mountain Area Health Education Center (MAHEC) is accredited by the North Carolina Medical Society (NCMS) to provide continuing medical education for physicians.

### Credit Designation

MAHEC designates this live activity for a maximum of **18.5 AMA PRA Category 1 Credit(s)**<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity. **(Up to 5 hours on Day 1, up to 8.75 hours on Day 2, and up to 4.75 hours on Day 3)**

### Disclosure:

MAHEC adheres to the ACCME Standards regarding industry support to continuing medical education. Disclosure of faculty and commercial support relationships, if any, will be made known at the time of the activity.

**CEUs:** MAHEC designates this continuing education activity as meeting the criteria for **1.9 CEUs** as established by the National Task Force on the Continuing Education Unit. You must attend the entire workshop to receive CEUs. **(Up to 0.5 hours on Day 1, up to 0.9 hours on Day 2, and up to 0.5 hours on Day 3)**

**Contact Hours:** MAHEC designates this continuing education activity as meeting the criteria for **18.5 Contact Hours**. Full attendance is required. **(Up to 5 hours on Day 1, up to 9 hours on Day 2, and up to 5 hours on Day 3)**

## MEDICAL COURSE DIRECTOR:

Paul M. Silverman, MD

## REGISTRATION

Early Registration Deadline: September 7, 2018

Early registration fee is \$745.00 for physicians (\$595 for two-days - Fri/Sat or Sat/Sun), \$650 for ARA/Mission Health physicians (\$525 for two-days - Fri/Sat or Sat/Sun), and \$399.00 for other healthcare providers (\$299 for two-days - Fri/Sat or Sat/Sun). Registration fee includes administrative costs, educational materials, light breakfast, and lunch. If registration is received after the deadline, the total fee will be \$795 for physicians (\$645 for two-day), \$700 for Mission and ARA physicians (\$575 for two-day), and \$449 for other healthcare providers (\$349 for two-day).

MAHEC has a pay-up-front policy for all CE programs. The only exceptions will be for pre-approved programs where an individual payment plan is appropriate. Registrations received without accompanying payment will not be processed and participants who have not paid the course fee will not be admitted into the program.

Cancellations received at least two weeks in advance of the program date will receive a full refund unless otherwise noted. Cancellations received between two weeks and up to 48 hours prior to the program date will receive a 70% refund unless otherwise noted. No refunds will be given for cancellations received less than 48 hours prior to the program date. All cancellations must be made in writing (fax, mail, or email). Substitutes can be accommodated in advance of the program.

### Have a question?

Conference Planner:  
Melody Hays, BA, MA  
828-257-4762

Special Services:  
828-257-4468



### Want to register?

Registration Information:	828-257-4475
Fax Registration:	828-257-4768
Online Registration:	www.mahec.net
Email Registration:	registration@mahec.net
Mail:	MAHEC Registration 121 Hendersonville Rd., Asheville, NC 28803



## DIRECTIONS TO THE BILTMORE CAMPUS

### **MAHEC Mary C. Nesbitt Biltmore Campus Education Building 121 Hendersonville Road, Asheville NC 28803**

**From I-40 E:** Take Exit 50 and turn left onto Hendersonville Road.

**From I-40 W:** Take Exit 50B and merge onto Hendersonville Road.

At the first light, turn left into the DoubleTree Hotel complex. Turn left (away from the hotel). You will see a steep driveway on your right. Turn right and go up that driveway to the MAHEC Biltmore Campus.

#### **From 19-23 (I-26):**

Take 240 East to Exit 5B (Charlotte Street). Exit right onto Charlotte Street. At the 4th light, make a left onto Biltmore Avenue. Proceed through 8 traffic lights. At the 9th light, turn right into the DoubleTree Hotel complex.

Turn left (away from the hotel). You will see a steep driveway on your right. Turn right and go up that driveway to the MAHEC Biltmore Campus.

## LODGING INFORMATION

### **Room rates available September 14-16, 2018**

#### **The Residence Inn**

Ask for the "MAHEC Oncologic Imaging Conference" rate when making your reservation

\$142.00 per night

(828) 281-3361

[Online Reservations](#)

#### **The Holiday Inn**

Ask for the group code "MBB" when making your reservation

\$109.00 Thursday/\$169.00 Friday-Saturday

(828) 277-0026

[Online Reservations](#)

#### **The Hilton Garden Inn**

Ask for the group code "MBB" when making your reservation

\$234.00 per night

(828) 255-0001

[Online Reservations](#)

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# 13<sup>TH</sup> ONCOLOGIC IMAGING: A MULTIDISCIPLINARY APPROACH

Updated contact information.

**NAME** \_\_\_\_\_

**CREDENTIALS** \_\_\_\_\_

**SOCIAL SECURITY #** XXX-XX- \_\_\_\_ \_\_\_\_ \_\_\_\_ (last 4 digits required)

**OCCUPATION** \_\_\_\_\_

**EMAIL ADDRESS** \_\_\_\_\_

**HOME ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**HOME COUNTY** \_\_\_\_\_

**HOME #** \_\_\_\_\_ **WORK #** \_\_\_\_\_

**EMPLOYER** \_\_\_\_\_

**DEPARTMENT** \_\_\_\_\_

**EMPLOYER'S ADDRESS** \_\_\_\_\_

**CITY** \_\_\_\_\_ **STATE** \_\_\_\_\_ **ZIP** \_\_\_\_\_

**WORK COUNTY** \_\_\_\_\_

*Program announcements will be sent to your email unless you opt out from receiving MAHEC emails. We never share our mailing lists.*

Please remove my name from the MAHEC mailing list.

**MEAL PREFERENCE:**  Vegetarian  Gluten-free  Vegan

## REGISTRATION FEE

		After Sept. 7 <sup>th</sup>	Two-day	Two-day After Sept. 7 <sup>th</sup>
Physicians:	<input type="checkbox"/> \$745	<input type="checkbox"/> \$795	<input type="checkbox"/> \$595	<input type="checkbox"/> \$645
ARA/Mission Health physicians:	<input type="checkbox"/> \$650	<input type="checkbox"/> \$700	<input type="checkbox"/> \$525	<input type="checkbox"/> \$575
Other healthcare providers:	<input type="checkbox"/> \$399	<input type="checkbox"/> \$449	<input type="checkbox"/> \$299	<input type="checkbox"/> \$349

If selecting two-day, please choose which dates you will attend:

Fri/Sat OR  Sat/Sun

*Full payment must accompany all submitted registrations unless a payment plan has been approved in advance. Registrations received without accompanying payment will not be processed.*

Check is enclosed  Credit card information provided

Visa  MasterCard  Discover Card  American Express

**ACCOUNT #** \_\_\_\_\_

**EXP** \_\_\_\_ / \_\_\_\_ **CODE ON BACK OF CARD** \_\_\_\_\_ (3 digits)

**NAME ON CARD** \_\_\_\_\_

**SIGNATURE** \_\_\_\_\_

**Send completed registration form to:** # 19ME002/54750

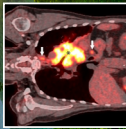
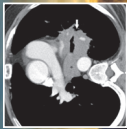
MAHEC Registration

121 Hendersonville Rd., Asheville, NC 28803 **Fax to:** 828-257-4768

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September 14-16, 2018

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Founder and Course Director*

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Regional Education  
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[www.mahec.net](http://www.mahec.net)

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